10/560961

1

SEQUENCE LISTING

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<120> PURIFICATION OF HER-2 VARIANTS

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<170> PatentIn version 3.2

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cat caa cat caa cat caa gcc ccc tcc acc caa gtg tgt acc ggc aca   3627
His Gln His Gln His Gln Ala Pro Ser Thr Gln Val Cys Thr Gly Thr
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gac atg aag ctg cgg ctc cct gcc agt ccc gag acc cac ctg gac atg   3675
Asp Met Lys Leu Arg Leu Pro Ala Ser Pro Glu Thr His Leu Asp Met
25   30   35   40

ctc cgc cac ctc tac cag ggc tgc cag gtg gtg cag gga aac ctg gaa   3723
Leu Arg His Leu Tyr Gln Gly Cys Gln Val Val Gln Gly Asn Leu Glu
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ctc acc tac ctg ccc acc aat gcc agc tta agt ttc ctg cag gat atc   3771
Leu Thr Tyr Leu Pro Thr Asn Ala Ser Leu Ser Phe Leu Gln Asp Ile
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cag gag gtg cag ggc tac gtg ctc atc gct cac aac caa gtg agg cag   3819
Gln Glu Val Gln Gly Tyr Val Leu Ile Ala His Asn Gln Val Arg Gln
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gtc cca ctg cag agg ctg cgg att gtg cga ggc acc cag ctc ttt gag   3867
Val Pro Leu Gln Arg Leu Arg Ile Val Arg Gly Thr Gln Leu Phe Glu
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gac aac tat gcc ctg gcc gtg cta gac aat gga gac ccg ctg aac aat   3915
Asp Asn Tyr Ala Leu Ala Val Leu Asp Asn Gly Asp Pro Leu Asn Asn
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acc acc cct gtc aca ggg gcc tcc cca gga ggc ctg cgg gag ctg cag   3963
Thr Thr Pro Val Thr Gly Ala Ser Pro Gly Gly Leu Arg Glu Leu Gln
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ctt cga agc ctc aca gag atc ttg aaa gga ggg gtc ttg atc cag cgg   4011
Leu Arg Ser Leu Thr Glu Ile Leu Lys Gly Gly Val Leu Ile Gln Arg
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cac aag aac aac cag ctg gct ctc aca ctg ata gac acc aac cgc tct          4107
His Lys Asn Asn Gln Leu Ala Leu Thr Leu Ile Asp Thr Asn Arg Ser
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cgg gcc tgc cac ccc tgt tct ccg atg tgt aag ggc tcc cgc tgc tgg          4155
Arg Ala Cys His Pro Cys Ser Pro Met Cys Lys Gly Ser Arg Cys Trp
185                 190                 195                 200

gga gag agt tct gag gat tgt cag agc ctg acg cgc act gtc tgt gcc          4203
Gly Glu Ser Ser Glu Asp Cys Gln Ser Leu Thr Arg Thr Val Cys Ala
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ggt ggc tgt gcc cgc tgc aag ggg cca ctg ccc act gac tgc tgc cat          4251
Gly Gly Cys Ala Arg Cys Lys Gly Pro Leu Pro Thr Asp Cys Cys His
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gag cag tgt gct gcc ggc tgc acg ggc ccc aag cac tct gac tgc ctg          4299
Glu Gln Cys Ala Ala Gly Cys Thr Gly Pro Lys His Ser Asp Cys Leu
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gcc tgc ctc cac ttc aac cac agt ggc atc tgt gag ctg cac tgc cca          4347
Ala Cys Leu His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro
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gag ctg cgg tat aca ttc ggc gcc agc tgt gtg act gcc tgt ccc tac          4443
Glu Leu Arg Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro Tyr
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aac tac ctt tct acg gac gtg gga tcc tgc acc ctc gtc tgc ccc ctg          4491
Asn Tyr Leu Ser Thr Asp Val Gly Ser Cys Thr Leu Val Cys Pro Leu
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cac aac caa gag gtg aca gca gag gat gga aca cag cgg tgt gag aag          4539
His Asn Gln Glu Val Thr Ala Glu Asp Gly Thr Gln Arg Cys Glu Lys
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tgc agc aag ccc tgt gcc cga gtg tgc tat ggt ctg ggc atg gag cac          4587
Cys Ser Lys Pro Cys Ala Arg Val Cys Tyr Gly Leu Gly Met Glu His
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ttg cga gag gtg agg gca gtt acc agt gcc aat atc cag gag ttt gct          4635
Leu Arg Glu Val Arg Ala Val Thr Ser Ala Asn Ile Gln Glu Phe Ala
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ggc tgc aag aag atc ttt ggg agc ctg gca ttt ctg ccg gag agc ttt          4683
Gly Cys Lys Lys Ile Phe Gly Ser Leu Ala Phe Leu Pro Glu Ser Phe
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gat ggg gac cca gcc tcc aac act gcc ccg ctc cag cca gag cag ctc          4731
Asp Gly Asp Pro Ala Ser Asn Thr Ala Pro Leu Gln Pro Glu Gln Leu
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gca tgg ccg gac agc ctg cct gac ctc agc gtc ttc cag aac ctg caa     4827
Ala Trp Pro Asp Ser Leu Pro Asp Leu Ser Val Phe Gln Asn Leu Gln
        410                 415                 420

gta atc cgg gga cga att ctg cac aat ggc gcc tac tcg ctg acc ctg     4875
Val Ile Arg Gly Arg Ile Leu His Asn Gly Ala Tyr Ser Leu Thr Leu
425                 430                 435                 440

caa ggg ctg ggc atc agc tgg ctg ggg ctg cgc tca ctg agg gaa ctg     4923
Gln Gly Leu Gly Ile Ser Trp Leu Gly Leu Arg Ser Leu Arg Glu Leu
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ggc agt gga ctg gcc ctc atc cac cat aac acc cac ctc tgc ttc gtg     4971
Gly Ser Gly Leu Ala Leu Ile His His Asn Thr His Leu Cys Phe Val
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cac acg gtg ccc tgg gac cag ctc ttt cgg aac ccg cac caa gct ctg     5019
His Thr Val Pro Trp Asp Gln Leu Phe Arg Asn Pro His Gln Ala Leu
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Leu His Thr Ala Asn Arg Pro Glu Asp Glu Cys Val Gly Glu Gly Leu
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Ala Cys His Gln Leu Cys Ala Arg Gly His Cys Trp Gly Pro Gly Pro
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acc cag tgt gtc aac tgc agc cag ttc ctt cgg ggc cag gag tgc gtg     5163
Thr Gln Cys Val Asn Cys Ser Gln Phe Leu Arg Gly Gln Glu Cys Val
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Glu Glu Cys Arg Val Leu Gln Gly Leu Pro Arg Glu Tyr Val Asn Ala
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Arg His Cys Leu Pro Cys His Pro Glu Cys Gln Pro Gln Asn Gly Ser
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gtg acc tgt ttt gga ccg gag gct gac cag tgt gtg gcc tgt gcc cac     5307
Val Thr Cys Phe Gly Pro Glu Ala Asp Gln Cys Val Ala Cys Ala His
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tat aag gac cct ccc ttc tgc gtg gcc cgc tgc ccc agc ggt gtg aaa     5355
Tyr Lys Asp Pro Pro Phe Cys Val Ala Arg Cys Pro Ser Gly Val Lys
585                 590                 595                 600

cct gac ctc tcc tac atg ccc atc tgg aag ttt cca gat gag gag ggc     5403
Pro Asp Leu Ser Tyr Met Pro Ile Trp Lys Phe Pro Asp Glu Glu Gly
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gca tgc cag cct tgc ccc atc aac tgc acc cac tcc tgt gtg gac ctg     5451
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Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
        650                 655                 660

gcc agc cac ctg gag atc gtc tct gcg gtg gtt ggc att ctg                5589
Ala Ser His Leu Glu Ile Val Ser Ala Val Val Gly Ile Leu
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15                  20                  25                  30

Pro Ala Ser Pro Glu Thr His Leu Asp Met Leu Arg His Leu Tyr Gln
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Gly Cys Gln Val Val Gln Gly Asn Leu Glu Leu Thr Tyr Leu Pro Thr
            50                  55                  60

Asn Ala Ser Leu Ser Phe Leu Gln Asp Ile Gln Glu Val Gln Gly Tyr
            65                  70                  75

Val Leu Ile Ala His Asn Gln Val Arg Gln Val Pro Leu Gln Arg Leu
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Arg Ile Val Arg Gly Thr Gln Leu Phe Glu Asp Asn Tyr Ala Leu Ala
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Gln Asp Thr Ile Leu Trp Lys Asp Ile Phe His Lys Asn Asn Gln Leu
    160   165   170

Ala Leu Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys His Pro Cys
175   180   185   190

Ser Pro Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser Ser Glu Asp
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Cys Gln Ser Leu Thr Arg Thr Val Cys Ala Gly Gly Cys Ala Arg Cys
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            225   230   235

Cys Thr Gly Pro Lys His Ser Asp Cys Leu Ala Cys Leu His Phe Asn
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His Ser Gly Ile Cys Glu Leu His Cys Pro Ala Leu Val Gln Tyr Ile
255   260   265   270

Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu Arg Tyr Thr Phe
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            290   295   300

Val Gly Ser Cys Thr Leu Val Cys Pro Leu His Asn Gln Glu Val Thr
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Ala Glu Asp Gly Thr Gln Arg Cys Glu Lys Cys Ser Lys Pro Cys Ala
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335   340   345   350

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Glu Glu Ile Thr Gly Tyr Leu Tyr Ile Ser Ala Trp Pro Asp Ser Leu
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Trp Leu Gly Leu Arg Ser Leu Arg Glu Leu Gly Ser Gly Leu Ala Leu
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